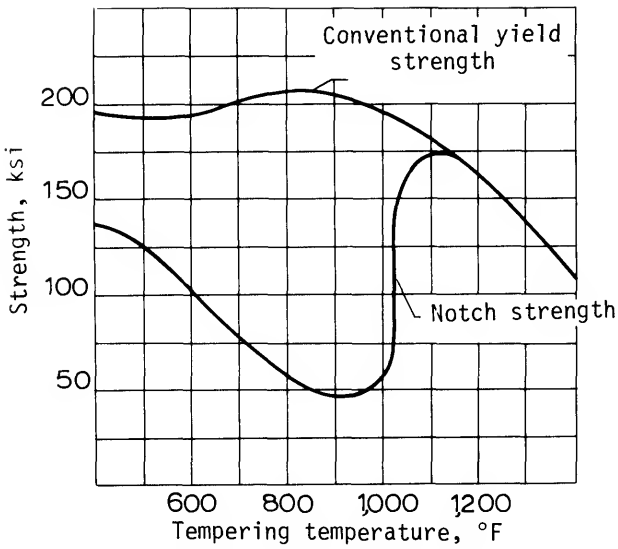

Fig. 14.1 Effect of tempering temperature on high-strength steel (12Mo-V stainless).

APPLICATIONS OF CRACK SIZE PARAMETER TO DESIGN

In considering the application of fracture mechanics principles to typical production defects, involving surface cracks of depth b and half-length a, the following expression can be used to calculate the maximum gross stress σ associated with the

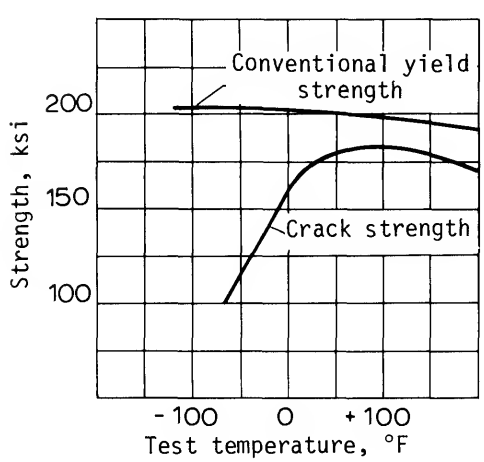

Fig. 14.2 Effect of test temperature on high-strength steel.